

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 10/19/2005

DSR Number: 019-05-035R Project Number: GDD8/W1 (5A)

NRCS Entry Only

Eligible: YES ☒ NO ☐
Approved: YES ☒ NO ☐
Funding Priority Number (from Section 4) 1de
Limited Resource Area: YES ☐ NO ☒

Section 1B Sponsor Information

Sponsor Name: Gravity Drainage District 8, Ward 1

Address: 2841 Goss Road

City/State/Zip: LAKE CHARLES, LA 70611

Telephone Number: (337) 855-4388

Fax: (337) 855-4388

Section 1C Site Location Information

County: Calcasieu

State: LA

Congressional District: 07

Latitude: 30.30060-30.30440

Longitude: 93.18790-93.18690

Section: 4

Township: 8 S

Range: 8W

UTM Coordinates: _____

Drainage Name: Gill Street (5-A)

Reach: 1700

Damage Description: Drainage is severely impeded by trees and tree tops in the channel and on banks.

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Recovery measures would be for runoff retardation or soil erosion prevention?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Threat to life and/or property?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event caused a sudden impairment in the watershed?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Imminent threat was created by this event?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For structural repairs, not repaired twice within ten years?***	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Proposed action technically viable? (Go to Page 9 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☒ NO ☐

Local Gravity Drainage District has been consulted.

Comments: _____

* Statutory

** Regulation

*** DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

DSR NO: 019-05-038R
035R

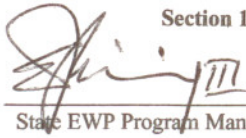
Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A: Remove debris from channel using conventional equipment from one side of the channel, dispose of in an approved land fill.

Total installation cost identified in this DSR: Section 3: \$ 32,704.00

Section 1F NRCS State Office Review and Approval

Reviewed By:


State EWP Program Manager

Date Reviewed:

11/17/05

Approved By:

State Conservationist

Date Approved:

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW., Washington, DC 20250-9410, or call (800)795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation		
		Proposed Action	No Action	Alternative
		Debris removal using conventional equipment, access from one side of channel	Leave debris in stream	Debris removal using conventional equipment, access from both sides of channel
		2D Effects of Alternatives		
Soil				
Bank erosion	20 tons/acre - exposed soil due to damage	5 tons/acre - remove debris, allow revegetation	20 tons/acre - potential for further damage from debris	5 t/ac - rem debris, allow reveg
Compaction	N/A	slight increase	no effect	moderate increase
Water				
Downstream water rights				
DO	excess debris decreases DO-potential problem	removal of debris increases DO	excess debris decreases DO-potential problem	removal of debris increases DO
BOD	Raised BOD	Lower BOD	Raised BOD	Lower BOD
overall stream health	SVAP - 4	SVAP - 6	SVAP - 4	SVAP - 5
Air				
particulate matter/dust	no effect	slight increase	no effect	moderate increase
Plant				
Aquatics health/vigor	poor due to water quality	increase function with improved water quality	poor due to water quality	increase function with improved water quality
riparian plants habitat	excess debris causing damage	improved with debris removal	slight increase over time	improved with debris removal
Animal				
Aquatic habitat	poor - low water quality	restore hab. for emerg aquatics	poor - low water quality	restore hab. for emerg aquatics
Upland habitat	loss of food and cover habitat	restore food and cover habitat	loss of food and cover habitat	restore food and cover habitat
Other				
Aesthetics	Poor due to clutter	Improved - remove clutter	Poor due to clutter	slight improve - remove clutter
Vectors	.6 ac. of stagnant water	restore natural flow	.6 ac. of stagnant water	restore natural flow

DSR NO: 019-05-038A ^{035R}

Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA jurisdiction-poor water quality	CWA permit needed - Improved water quality;	Poor water quality	Improved water quality; improved BOD&DO
Coastal Zone Management Areas	N/A	N/A	N/A	N/A
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	(FOTG) State level review needed none observed on-site	(FOTG) State level review needed none observed on-site	(FOTG) State level review needed none observed on-site	(FOTG) State level review needed none observed on-site
Endangered and Threatened Species	(Federal/State species listed) none observed on-site	no impact	no impact	no impact
Environmental Justice	N/A	N/A	N/A	N/A
Essential Fish Habitat	N/A	N/A	N/A	N/A
Fish and Wildlife Coordination	No channel modification proposed	will be addressed if needed in CWA permit process	N/A	will be addressed if needed in CWA permit process
Floodplain Management	location is within the 100-year floodplain	100-year floodplain function restored to pre-storm hydraulic capacity	100-year floodplain function remains impaired	100-year floodplain function restored to pre-storm hydraulic capacity
Invasive Species	Chinese Tallow identified along channel	slight risk of increased occurrence from disturbed soil and increased light penetration	slight risk of increased occurrence from disturbed soil and increased light penetration	high risk of increased occurrence
Migratory Birds	Food&cover quality reduced	debris removal will not adversely impact habitat	Food&cover quality reduced	debris removal from both sides of channel may have slight negative impacts on habitat
Natural Areas	N/A	N/A	N/A	N/A
Prime and Unique Farmlands	(FOTG) None present	(FOTG) None present	(FOTG) None present	(FOTG) None present
Riparian Areas	1.25 acres of riparian habitat impacted by flooding due to debris accumulation	restore riparian conditions to pre-storm w/ slight impact during access	1.25 acres of riparian habitat impacted by flooding due to debris accumulation	restore riparian conditions to pre-storm w/ moderate impact during access
Scenic Beauty	Debris negatively impacts	Improves potential to restore scenic beauty by reducing clutter	Debris negatively impacts	Improves potential to restore scenic beauty by reducing clutter
Wetlands	Degraded natural wetland function due to debris in channel.	Restore natural wetland hydrology downstream of channel	Degraded natural wetland function due to debris in channel.	Restore natural wetland hydrology downstream of channel
Wild and Scenic Rivers	not within scenic stream	not within scenic stream	not within scenic stream	not within scenic stream

Completed By: Brian Baiamonte

Date: 10/19/2005

DSR NO: 019-05-038R
035R

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private) (81 Homes)	12,000,000.00	20	2,400,000.00
Properties Protected (Public) (Church + Preschool)	750,000.00	20	150,000.00
(Utility Pole)	2,000.00	20	400.00
Business Losses (Small Flooring Company)	250,000.00	20.00	50,000.00
Other			
Total Near Term Damage Reduction \$			2,600,400.00
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			2,567,696.00

Completed By: Brian Baiamonte Date: 10/19/2005

Section 2G Social Consideration This section must be completed by each alternative considered

(attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there the potential for loss of life due to damages from the watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Emergency vehicles may not be able to get to the affected areas. Increased potential for children drowning in channel
Has access to a hospital or medical facility been impaired by watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Impairment may increase flooding impacts throughout the community
Is there a lack or has there been a reduction of public safety due to watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The next event would jeopardize public safety

Completed By: Brian Baiamonte Date: 10/19/2005

DSR NO: _____

019-05-038R
035R

Section 2H Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	
Asian Male Hispanic	
Asian Male Non-Hispanic	
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	100
White Male Hispanic	
White Male Non-Hispanic	111
Total Group	211

Census tract(s) 22.04

Completed By: Brian Baiamonte Date: 10/19/2005

DSR NO: 019-05-038~~R~~
035R

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

CWA permit, Water Quality certification possibly needed because of the potential of grubbing stumps.

Mitigation Description:

Accessing debris will be from one side of channel. Debris will be removed from project area and disposed of in an approved land fill. Proposed action will restore hydraulic function in downstream wetland and eliminate stagnant pools in channel, reducing vector/disease potential. Action will be completed without interruption to reduce impact to wildlife.

Agencies, persons, and references consulted, or to be consulted:

Corps of Engineers
LA DEQ

LDWF for consultation

DSR NO: 019-05-038~~R~~
035R

Section 3 Engineering Cost Estimate

Completed By: Wendall Meaux Date: 10/19/2005

This section must be completed by each alternative considered (attach additional sheets as necessary).

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost (\$)	Amount (\$)
Proposed Action- Debris removal with conventional equipment <i>from one side of channel.</i>				0.00
Mobilization & Demobilization	1	LS	8,500.00	8,500.00
Channel Obstruction Removal	1,700	LF	14.10	23,970.00
Seeding, Sprigging, & Mulching	1	Ac	200.00	234.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
Total Installation Cost (Enter in Section 1F)\$				32,704.00

Unit Abbreviations:

AC	Acre	LS	Lump Sum
CY	Cubic Yard	SF	Square Feet
EA	Each	SY	Square Yard
HR	Hour	TN	Ton
LF	Linear Feet		Other (Specify)

DSR NO: 019-05-0384
035R

Section 3 Engineering Cost Estimate

Completed By: Wendall Meaux Date: 10/19/2005

This section must be completed by each alternative considered (attach additional sheets as necessary).

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost (\$)	Amount (\$)
Alternative Action-Debris removal with conventional equipment from both sides of the channel				0.00
Mobilization & Demobilization	1	LS	8,500.00	8,500.00
Channel Obstruction Removal	1,700	LF	19.04	32,368.00
Seeding, Sprigging, & Mulching	1	Ac	270.00	315.90
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
Total Installation Cost (Enter in Section 1F)\$				41,183.90

Unit Abbreviations:

AC	Acre	LS	Lump Sum
CY	Cubic Yard	SF	Square Feet
EA	Each	SY	Square Yard
HR	Hour	TN	Ton
LF	Linear Feet		Other (Specify)

DSR NO: ~~019-05-038-R~~
035R

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		1 d,e
2. Is this a site where there is serious, but not immediate threat to human life?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4. Is this site a funding priority established by the NRCS Chief?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?			yes	
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			yes	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

DSR NO: 019-05-038R
035R

Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

- ☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.1.2
Chapter _____
Chapter _____
Chapter _____
Chapter _____

_____ May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Brian A. Baiamonte Brian Baiamonte
Title: Soil Conservationist Date: 10/19/05

Section 5B Comments:

Section 5C

Sponsor Concurrence:



Sponsor Representative

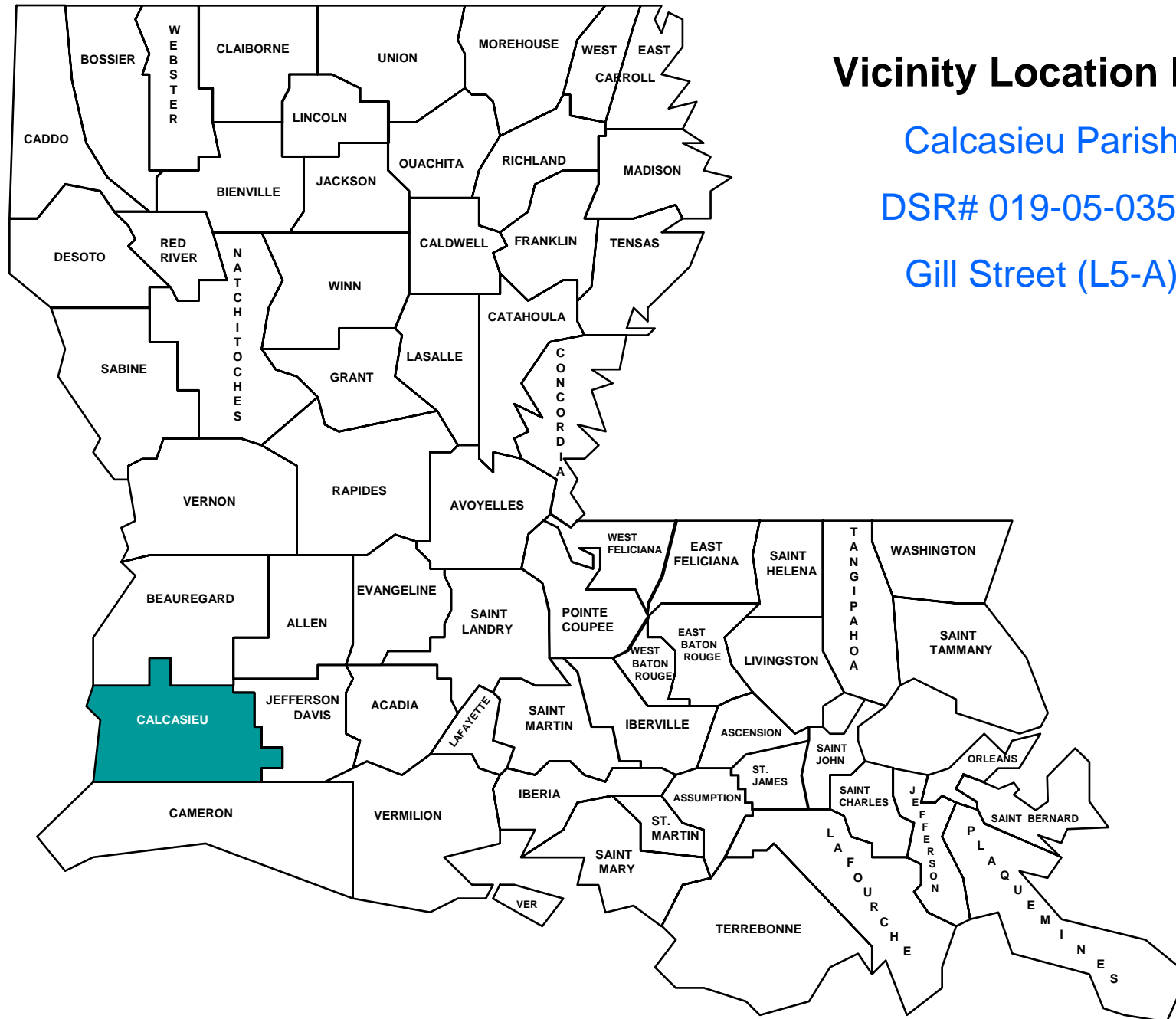
Title: FOREMAN Date: 11-17-05

Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

SECTION 6

ATTACHMENTS



Vicinity Location Map

Calcasieu Parish

DSR# 019-05-035R

Gill Street (L5-A)

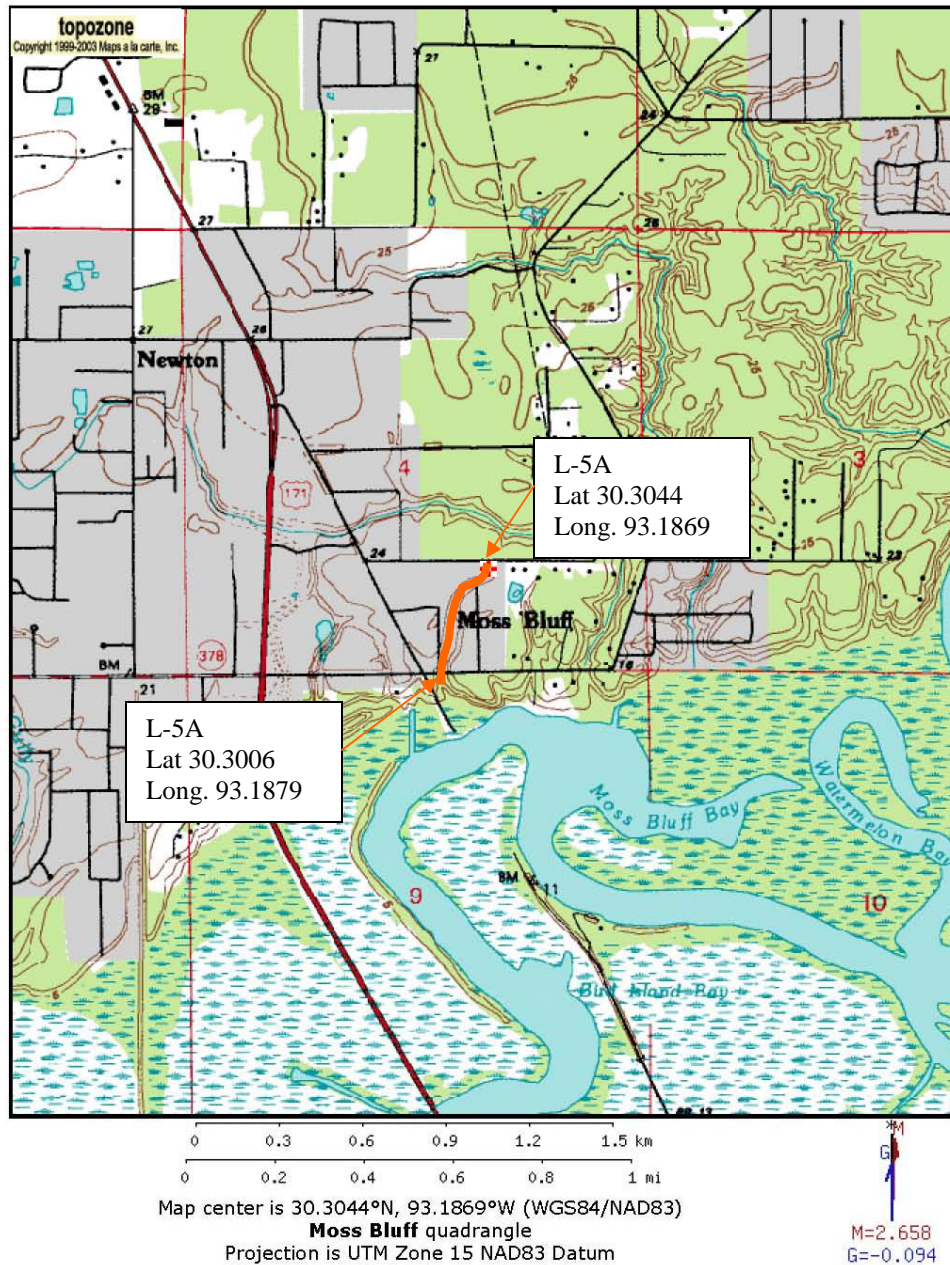
SITE MAP
DSR 019-05-035R
Gill Street (L-5A)
Calcasieu Parish
Estimated Total Reach Length 1,700 LF



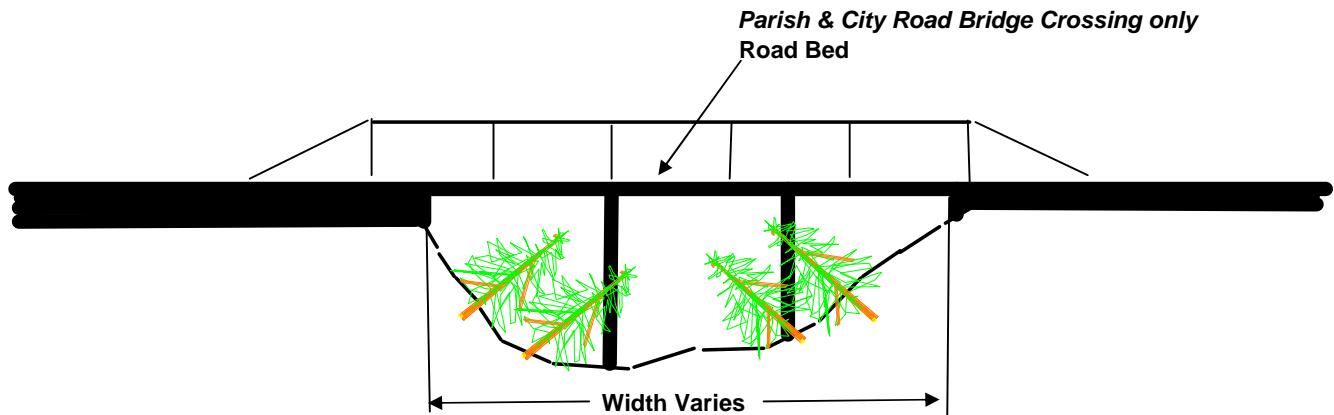
TOPO MAP
DSR 019-05-035R
Gill Street (L-5A)
Calcasieu Parish
Estimated Total Reach Length 1,700 LF

TopoZone - The Web's Topographic Map

1



Debris Removal



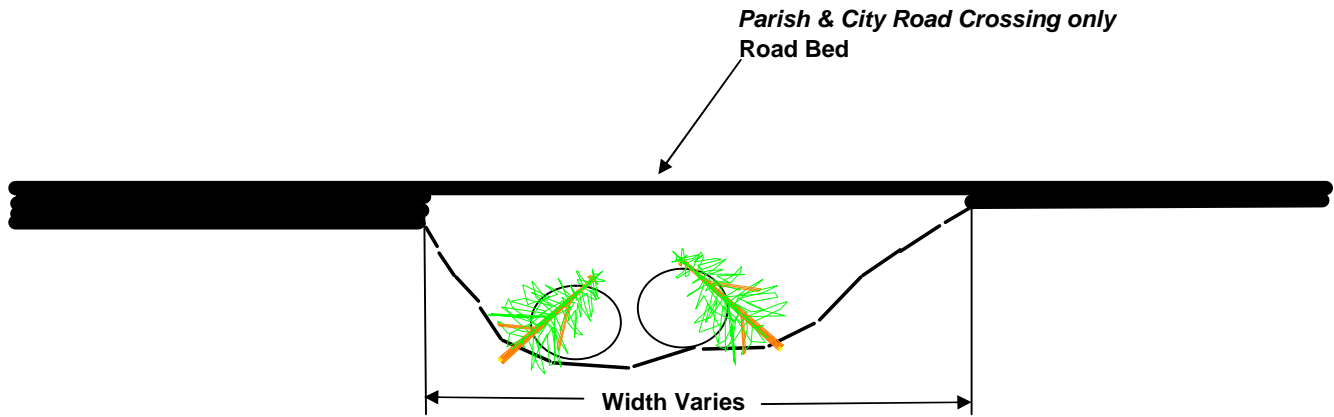
Note: Contract is to remove Debris from upstream and downstream Bridge which includes underside of bridge

Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Bridge Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

Debris Removal



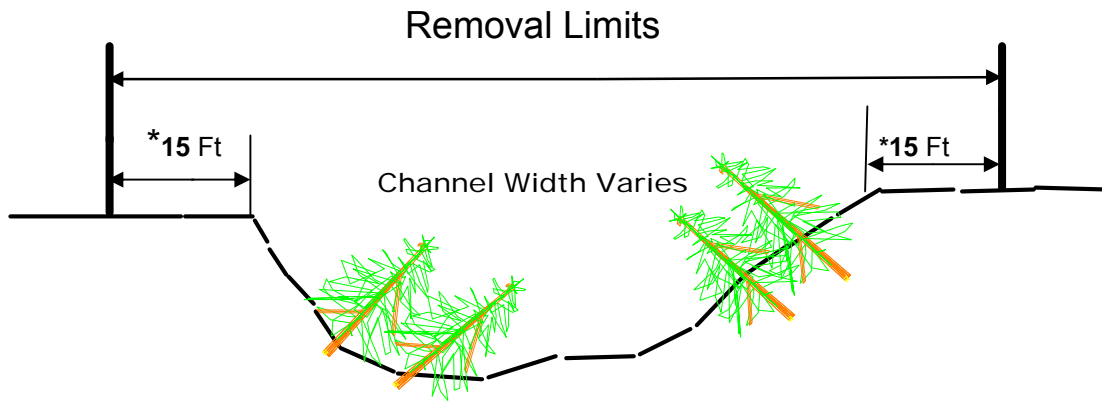
Note: Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts

Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Culvert type Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

Debris Removal



Typical Section Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note:** Rights of way on both sides; however work to be performed on one side only in any reach as concurred in by COTR.

Exception it may be possible that trees which were located outside of the the right of way may have fallen into the right of way, these trees will be removed which may be located outside of the work limits.

DSR No: 019-05-035R

Selected Alternative

Calcasieu Parish
Moss Bluff
L5A

Section 3 Engineering Cost Estimate Worksheet

Completed By: Wendall J Meaux

Date: 19-Oct-05

Type of Work: Debris Removal

Shaded cells require information input

Location of Work:

Township(s)

8S

Range(s)

8W

Section(s)

4

Quadrangle(s)

Moss Bluff

Downstream Start:

Latitude Longitude

30.30060 93.18790 (100 feet downstream of Theriot Road)

Upstream End:

30.30440 93.18690 (@ White Street)

Estimated Length of Work Segment (ft):

1,700

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	\$8,500.00	\$8,500
2	Channel Obstruction Removal/Excavation	1,700	LF	\$14.10	\$23,970
3	Seeding, Sprigging and Mulching	1.17	AC	\$200.00	\$234
4					\$0
5					\$0

Note: Estimated cost of debris removal includes labor and hauling of material to landfill.

Total Estimated Construction Cost

\$32,704

Performance Time:

Production Rate

500 Ft/Day

Segment Length

1,700 Ft

Production Time

3 Days

Contract Time

3 Days

Estimated Cost of Equipment with Labor

[Link to Table 1 on Page 2]

Cost per Hour

\$ 705.00

Cost per Day(10hrs)

\$7,050.00

Contract Time

3 Days

Total Cost

\$23,970

Cost per LF

\$14.10

Estimated Cost of Seeding with Labor

[Link to Table 2 on Page 2]

Segment Length

1,700 Ft.

Segment Width

30 Ft.

No. of Segment

1

Acres

1

Cost per Ac

\$200

Total Cost

\$234

Comments:

ONE SIDE OF CHANNEL

SUPPORTING DATA

TABLE 1

Equipment	Rate per Hour	Quantity	Cost per Hour
Skidder	\$ 80.00	0	\$ -
Dozer w/ operator (Sml)	\$ 50.00	1	\$ 50.00
Dozer w/operator (Lg)	\$ 85.00	0	\$ -
Excavator w/ operator	\$ 120.00	1	\$ 120.00
Dump Truck (14yd)	\$ 70.00	4	\$ 280.00
Dump Truck (20yd)	\$ 125.00	0	\$ -
Supervisor	\$ 35.00	1	\$ 35.00
Chain Saw w/ Operator	\$ 20.00	4	\$ 80.00
Hookman	\$ 9.00	0	\$ -
Labor General	\$ 9.00	0	\$ -
*Optional Work	\$ 50.00		\$ -
Bobcat w/Grapple & Operator	\$ 70.00	2	\$ 140.00

\$ 705.00 Cost/Hr
\$ 7,050.00 Cost/Day @ 10hrs/day

*Includes providing access road on both sides of channel and removal of debris from both sides of channel.

TABLE 2

Seeding, Sprigging and Mulching

Item	Cost per Ac
Materials	\$100
Labor	\$100
Total	\$200

TABLE 3

Channel Crossings

Type

Location

Impact

0385R
DSR NO: 019-05-038A

Section 3 Engineering Cost Estimate

Completed By: Wendall Meaux Date: 10/19/2005

This section must be completed by each alternative considered (attach additional sheets as necessary).

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost (\$)	Amount (\$)
Alternative Action-Debris removal with conventional equipment from both sides of the channel				0.00
Mobilization & Demobilization	1	LS	8,500.00	8,500.00
Channel Obstruction Removal	1,700	LF	19.04	32,368.00
Seeding, Sprigging, & Mulching	1	Ac	270.00	315.90
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
Total Installation Cost (Enter in Section 1F)\$				41,183.90

Unit Abbreviations:

AC	Acre	LS	Lump Sum
CY	Cubic Yard	SF	Square Feet
EA	Each	SY	Square Yard
HR	Hour	TN	Ton
LF	Linear Feet	Other	(Specify)